ALBERTA

SWINE ROP

ANNUAL REPORT

1982

Alberta

AGRICULTURE

PORK INDUSTRY BRANCH

RECORD OF PERFORMANCE SWINE TESTING IN ALBERTA

1982 ANNUAL REPORT

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R.O.P. Swine Testing in Alberta is a joint Federal-Provincial performance testing program for both purebred and commercial swine breeders.

The program for breeding stock producers is a two-part program consisting of:

1. An on farm performance test of boars and gilts.
2. A central station test of boars only at either Leduc or Lacombe.

Commercial producers may use the ultrasonic home test program for the selection of gilts within their herd. It is expected that records of sires, dams, birth dates and individual identification will be maintained.

The Alberta Swine R.O.P. Advisory Committee (ASROPAC) for 1982 comprised of the following members:

D. S. Harbison (Chairman) - Supervisor, Swine Breeding, Pork Industry Branch, Alberta Agriculture

S. P. Eagles (Secretary) - Regional Production Officer, Livestock Division, Agriculture Canada

A. Lange - Assistant Supervisor, Swine Breeding (R.O.P.), Alberta Agriculture

J. Braat - Alberta Agriculture appointee

D. Duff - Alberta Agriculture appointee

J. Vandenberg - Alberta Agriculture appointee

J. Knobben - Alberta Swine Breeders Association

D. J. Christiansen - Alberta Swine Breeders Association

W. Weber - Alberta Swine Breeders Association

H. Little - Alberta Pork Producers Marketing Board

D. Gregorwich - Western Hog Growers Association

J. A. Pelter - British Columbia Ministry of Agriculture and Food, Victoria

Advisory Members:

Dr. F. X. Aherne - Swine Nutritionist, University of Alberta

Dr. A. P. Sather - Animal Geneticist, Lacombe Research Station

Dr. C. Schipper - Head, Herd Health Program, Alberta Agriculture

Ex-Officio Members:

J. S. Lore - Director, Animal Industry Division, Alberta Agriculture

D. C. Beaton - Regional Director, Food Production and Inspection Branch, Agriculture Canada

F. W. Schuld - Head, Pork Industry Branch, Alberta Agriculture

G. J. Regehr - Program Co-ordinator, Livestock and Poultry, Agriculture Canada

THE ALBERTA SWINE R.O.P. PROGRAM IN 1982

In 1982, 94 hog operations which were members of the program had 15,740 hogs tested on their farms. This work was done by provincial technicians which number 3 full-time and 3 part-time during most of the year. Of the 94 operations that tested pigs, 44 tested purebred pigs only, 22 tested both purebred and crossbred pigs (i.e. 64 breeding stock sellers) and 28 tested crossbred pigs only (within herd selection group). Thus generally speaking, 2/3 of the operations sell breeding stock and 1/3 test for the purpose of selecting replacement gilts. This split is roughly the same as in previous years. Several new operations came on the program which was very encouraging.

The total of 15,740 pigs home tested in 1982 is a 13% increase over 1981. Taking the above breakdown in producer groups for granted, the sellers of breeding stock tested 12,580 pigs or 80% of the total and the within herd selectors tested 3,160, the remaining 20%. This is a 5% shift in favor of the within herd selectors compared to 1981. The largest number of pigs home tested was by Ranchview Farms "A" at 999. In second place was Agra Farms at 903 followed by Five Lakes Farms at 860 and W & M Preugschas at 793. The herd averages for 1982 home test for each herd are given in Table IX. Other home test information is in Tables I, II, VI, VII and VIII.

On January 1, 1982 Alberta started using the new index formula which gives equal emphasis to backfat and age vs the previous one which emphasized backfat. Although it may be too early to evaluate the overall effects of this change it can be seen from Tables II and III that fat on boars and gilts shows a continued downward trend (boars 14.4 to 13.9 mm, gilts 15.8 to 15.2 mm) whereas age to 90 kg is only reducing slightly (boars 166 to 162 days, gilts 172 to 172 days). Perhaps with time this emphasis will change.

In the station test portion of the program, 896 boars were tested at the Leduc and Lacombe stations. This represents an increase of 138 boars over the previous year and pretty well equals 1980 levels of 902. The Lacombe station had 106% utilization in 1982 based on 2 pigs per pen. Since up to 6 pigs per pen are now permitted there, percent utilization figures can go over 100. At the Leduc station, where there are always 2 pigs per pen, utilization was 85%.

Of the 64 seedstock selling operations which home tested in 1982, 40 also used the test stations which is 66%. The results of the station testing are listed in Tables I, IV and V. The index used at the Alberta test stations was changed to parallel the home test index procedure. Feed conversion was also removed from the station formula because feed wastage and averaging feed consumption over 2 or more boars per pen were inherent weaknesses that resulted in erroneous results. The average performance results show that backfat decreased from 16.6 to 15.3 mm in 1982 and ADG reached its highest level ever at 0.92 kg/day. Along with this, two non-indexed factors, days to 90 kg at 147 and feed conversion at 2.43 are also the best figures to date.

Since the primary purpose of the test stations is to produce progeny evaluation for new sires, it is useful to see how that objective is being achieved. The sire evaluation consists of performance testing 8 boars progeny (2 from 4 separate litters) from a particular sire and comparing their performance to their contemporary average. The purpose then, is to give a profile that can be used to compare performance between farms.

The following is a summary of the progress achieved on sire evaluations this past year:

(1) Out of 43 evaluations started in 1981 or 1982 and competed in 1982, 8 resulted in a sire index under 100, 35 resulted in a sire index of 100 or over.

(2) Additional boar progeny were tested from 14 previously evaluated sires.

(3) 93 sire evaluations were started in 1982 but not completed.

(4) The following was achieved across herds for A.I. sires:

(a) 5 evaluations completed on new sires.

(b) Additional information on one previously evaluated sire.

(c) 6 sire evaluations were started but not completed.

From the above it can be seen that out of the total of 136 sire evaluations started in 1981 or 1982 only 43 were actually completed which represents a success rate of only 32%. This is not a true figure since evluations can be carried over year ends but it should be possible to achieve a 50% completion rate without much difficulty. This suggests that breeders start sire evaluations and do not finish them perhaps because the anticipated results do not materialize or other reasons such as physical unsoundness of the sire. It is beyond the scope of the report to study the reasons in detail. Perhaps the primary reason for test stations should be re-emphasized.

In December the first round of halothane testing was performed at Lacombe. The purpose is to detect the presence of the homozygous recessive gene causing porcine stress syndrome (PSS). The genetic incidence of this problem in the Canadian hog population is considered to be quite low (i.e. 5% or less) and this tool is an attempt to keep it that way or even reduce it in the breeding herds. The first round of testing at Lacombe produced

no reactors. In future, if there are reactors that survive the test, they and their littermate(s) will be castrated, fed out to market weight and sent to slaughter.

A new herd health requirement was introduced at the test stations whereby anyone bringing pigs to the stations must be in possession of a valid health certificate issued by the swine herd health veterinarian. Also, in the event that a crooked nosed pig is entered or develops at the station, it and its pen mate(s) will be sent to the laboratory for diagnosis. If there is a second occurrence from the same herd within 24 months the person in question will be barred from station testing for 6 months.

The test station sales sponsored by the Alberta Swine Breeders Association resulted in the sale of 279 out of 431 boars offered, which is up from 231 in 1981. The average selling price was $476.70. See Table X for long term trends. The high selling boars for the year were as follows:

Breed	Boar I.D.	Breeder	Selling Price	Buyer
York	GARY 13P	G. Knobben	2,300	Agriculture Canada for Alberta A.I. Centre
York	JKAA 681N	Five Lakes Farms	2,050	Reiter Farms
Land	ARHL 809P	Agra Farms	1,450	Erskine Colony
York	ARHL 288P	Agra Farms	1,200	Erskine Colony
Land	AJIU 751N	N. Fulks	1,125	Stephen Pain
York	GARY 15P	G. Knobben	1,100	Alvin Fowler
York	ARHL 8P	Agra Farms	1,050	Agriculture Canada for Alberta A.I. Centre
York	AREE 146P	J. Knobben	1,025	G. Matejka
York	AWGF 248P	Weber Farms	1,000	Earl Austin

During the year the provincial staff finally gained its full complement of 3 full-time and 3 part-time technicians with the addition of Greg Arthur at Barrhead and Dorothy Gilbert at Vermilion, both in part-time capacities. Bill Biel resigned his full-time position at Red Deer at the end of October and was replaced by Russell Bomak who started January 1983. On the federal scene, Mike Southwood assumed the position of Livestock Program Officer, in July, a position which had been vacant for some time.

TABLE I

ALBERTA SWINE R.O.P. TESTING SUMMARY

1978 - 1982

Boars Station Tested	1978	1979	1980	1981	1982
Number	740	838	902	732	872
Av. Backfat thickness (mm)	18.0	17.1	17.4	16.6	15.3
Av. age to 90 kg (days)	-	147	152	149	147
Av. daily gain (kg)	0.89	0.91	0.88	0.91	0.92
Av. feed conversion	2.55	2.49	2.55	2.47	2.43
Boars Home Tested					
Number	2676	3937	4207	4201	4750
Av. backfat thickness (mm)	15.4	15.0	14.6	14.4	13.9
Av. age to 90 kg (days)	167	172	171	166	162
TOTAL BOARS TESTED	3416	4775	5109	4933	5622
Gilts Home Tested					
Number	7765	9988	9664	9778	10990
Av. backfat thickness (mm)	16.8	16.0	15.7	15.8	15.2
Av. age to 90 kg (days)	177	177	174	174	172
TOTAL PIGS TESTED	11206	14956	14773	14711	15740

TABLE II

BOARS HOME TESTED - 1972 - 1982

YEAR	NUMBER	AV. BACKFAT (mm)	AV. AGE AT 90 KG. (DAYS)
1972	1344	19.8	178
1973	1435	18.5	181
1974	1260	18.3	181
1975	1267	17.3	171
1976	1305	16.5	166
1977	1965	15.8	163
1978	2676	15.4	167
1979	3937	15.0	172
1980	4207	14.6	171
1981	4201	14.4	166
1982	4750	13.9	162

TABLE III

GILTS HOME TESTED - 1972 - 1982

YEAR	NUMBER	AV. BACKFAT (mm)	AV. AGE AT 90 KG. (DAYS)
1972	1285	21.3	185
1973	1568	19.6	191
1974	1579	19.1	188
1975	2411	18.5	179
1976	3159	17.8	174
1977	4390	17.4	172
1978	7790	16.8	177
1979	9988	16.0	177
1980	9664	15.7	174
1981	9778	15.8	174
1982	10990	15.2	172

TABLE IV

1982 STATION TEST SUMMARY

STATION: LEDUC

	YORK	LAND	LAC	HAMP	DUROC	COMM	TOTAL
No. entered	368	26	56	10	14	16	490
No. tested	358	26	55	10	11	14	474
Average B.F.	15.4	14.3	15.3	12.7	14.7	13.9	15.2
ADG	0.91	0.88	0.91	0.86	0.90	0.92	0.91
F.C.	2.40	2.53	2.47	2.54	2.48	2.39	2.42
Average Age	148	141	147	163	160	148	148
No. died	6	0	1	0	1	0	8
No. culled	181	15	30	6	5	6	243
No. unsold	79	3	9	2	2	1	96
No. sold	102	8	16	2	6	9	143
Total price	44,710.00	4,595.00	6,865.00	625.00	2,975.00	3,995.00	63,765.00
Average price	438.33	574.38	429.06	312.50	495.85	443.89	445.91

STATION: LACOMBE

No. entered	274	46	46	14	26		406
No. tested	269	45	46	14	24		398
Average B.F.	15.3	15.6	16.9	14.4	15.2		15.5
ADG	0.95	0.96	0.97	0.86	0.90		0.94
F.C.	2.43	2.47	2.47	2.47	2.41		2.44
Average age	146	141	145	161	155		146
No. died	2	1	0	0	0		3
No. culled	129	29	29	8	16		211
No. unsold	41	2	8	1	4		56
No. sold	102	14	9	5	6		136
Total price	52,430.00	7,975.00	3,650.00	2,535.00	2,645.00		69,235.00
Average price	514.02	569.64	405.56	507.00	440.83		509.80

TABLE IVa

1981 SUMMARY

LEDUC TEST STATION

	YORK	LAND	LAC	HAMP	DUROC	CROSS	TOTAL
Number entered	272	26	38	8	20	24	388
Number tested	259	26	37	5	17	22	366
Av. B.F.adj to 90 kg	16.7	17.1	18.1	13.1	17.3	17.0	16.9
ADG adj to 90 kg	0.89	0.86	0.88	0.81	0.91	0.92	0.89
F.C. (kg feed/kg gain)	2.44	2.54	2.55	2.55	2.53	2.37	2.46
Av age adj to 90 kg. (days)	150	149	151	167	161	147	150
Number Died	3	-	1	1	-	1	6
Number culled	135	17	24	4	10	9	199
Number unsold	74	5	5	-	4	9	97
Number sold	54	4	8	1	6	4	77
Total Price	24,805	3,375	3,470	350	2,285	1,150	35,435
Av Price	459.35	843.75	433.75	350	380.83	287.50	460.19

LACOMBE TEST STATION

Number entered	266	30	38	14	22	-	370
Number tested	262	30	38	14	22	-	366
Av B.F.adj to 90 kg	16.4	16.6	17.7	13.4	15.9	-	16.4
ADG adj to 90 kg	0.93	0.91	0.95	0.87	0.89	-	0.92
F.C. (kg feed/kg gain)	2.46	2.58	2.51	2.47	2.48	-	2.47
Av age adg to 90 kg (days)	148	142	146	156	156	-	148
Number died	4	-	-	-	-	-	4
Number culled	128	14	20	4	11	-	177
Number unsold	30	3	2	-	2	-	37
Number sold	106	13	16	10	9	-	154
Total Price	54,600	5,715	13,175	4,850	3,590	-	81,930
Average Price	515.90	439.62	823.44	485.00	398.89	-	532.01

TABLE V

CULLING INFORMATION

REASONS FOR CULLING: 1982 - 1981 SUMMARY

	Leduc Test Station				Lacombe Test Station			
	1982	%	1981	%	1982	%	1981	%
Total culled*	243		205	53%	211		181	49%
Performance	135	56%	151	39%	154	73%	117	32%
Feet and Legs	83	34%	57	15%	51	24%	81	22%
Underline	1						1	
Testicles	1		2		1		1	
Rupture		1						
Abscess								
Died	8		6		3		4	
Shaking	6		3					
Returned to Breeder			2		5		3	
Ridgling							1	
Enlarged sheath							2	
Ulcers								
Prolapsed anus								
Undershot jaw								
Illness	10		1		2		1	
Lack of condition	10				1			
Other	4		3		5		1	
Total entered	490		388		406		370	

*Total pigs culled may be for one or more reasons

TABLE V(a)

CULLING INFORMATION

REASONS FOR CULLING: 1981 - 1980 SUMMARY

	Leduc Test Station				Lacombe Test Station			
	1981	%	1980	%	1981	%	1980	%
Total culled*	205	53%	359	70%	181	49%	233	60%
Performance	151	39%	284	79%	117	32%	179	77%
Feet and Legs	57	15%	120	42%	81	22%	72	40%
Underline			8		1			
Testicles	2		8		1		3	
Rupture	1							
Abscess			1					
Died	6		9		4		2	
Shaking	3		2					
Returned to Breeder	2		5		3		2	
Bloody Urine							1	
Enlarged sheath			3		2		3	
Ulcers			2					
Prolapsed anus								
Undershot jaw								
Illness	1		1		1			
Ridgling			2		1		1	
Other	3				1			
Total entered	388		516		370		386	

*Total culled may be for one or more reasons

TABLE VI

ALBERTA SWINE HOME TESTING ACTIVITY

1982 SUMMARY

# Pigs Tested Per Farm	# of Breeders	% of Breeders	Total # of Pigs	% of Pigs
20 or less	18	19%	204	1.3%
20 - 50	18	19%	657	4.2%
51 - 100	15	16%	1096	7.0%
101 - 200	16	17%	2273	14.4%
201 - 500	18	19%	4942	31.4%
500+	9	10%	6568	41.7%
Total	94	100%	15740	100%

TABLE VI(a)

ALBERTA SWINE HOME TESTING ACTIVITY

1981 SUMMARY

# Pigs Tested Per Farm	# of Breeders	% of Breeders	Total # of Pigs	% of Pigs
20 or less	20	22.2%	209	1.5%
20 - 50	12	13.3%	439	3.1%
51 - 100	13	14.5%	985	7.0%
101 - 200	20	22.2%	2831	20.3%
201 - 500	19	21.1%	5324	38.1%
500+	6	6.7%	4191	30.0%
Total	90	100%	13979	100%

TABLE VII

HOME TESTED BOARS - BY BREED

BREED	1982 NO. TESTED	1982 AV. B.F. (mm)	1982 ADJ. AGE (days)	1981 NO. TESTED	1981 AV. B.F. (mm)	1981 AGE ADJ. (days)
Yorkshire	2421	14.0	162	2529	14.5	166
Landrace	571	15.1	158	488	14.8	164
Lacombe	435	14.0	160	454	15.1	161
Hampshire	198	12.3	179	164	12.4	177
Duroc	220	13.5	168	220	14.1	162
Crossbred	905	13.5	162	346	13.6	167
TOTAL	4790	13.9	162	4201	14.4	166

TABLE VIII

HOME TESTED GILTS - BY BREED

BREED	1982 NO. TESTED	1982 AV. B.F. (mm)	1982 ADJ. AGE (days)	1981 NO. TESTED	1981 AV. B.F. (mm)	1981 AGE ADJ. (days)
Yorkshire	4099	15.0	168	4075	15.5	172
Landrace	837	16.1	166	649	16.7	169
Lacombe	628	15.2	173	701	16.4	172
Hampshire	194	13.2	180	155	12.9	182
Duroc	242	14.0	173	163	15.6	164
Crossbred	4990	15.3	176	4035	15.9	177
TOTAL	10,990	15.2	172	9778	15.8	174

TABLE IX

As feeding, management and environmental factors under which pigs are home tested can vary significantly between the various herds, and since limited numbers do not reflect true averages, the following herd averages should not be considered as a total measure of the genetic merit of the pigs tested in each herd.

YORKSHIRE

BREEDER	SEX	# TESTED	AVERAGE BACKFAT	AGE TO 90 KG.
Agra Farms	M	180	13.9	165
	F	229	14.8	167
Albrecht, M.	M	8	15.5	146
	F	10	17.2	149
Armstrong Farms	M	17	14.9	159
	F	70	15.0	167
Baert, M.	F	4	13.3	160
Braat, J.	M	148	13.2	162
	F	293	14.6	151
Brownlee, J.	M	94	14.8	179
	F	120	15.4	182
Brownlee, T.	M	1	13.4	184
	F	6	15.7	178
Carrich Stock Farm	M	10	12.8	185
	F	22	12.9	210
Clayridge Stock Farm	M	2	14.9	190
	F	5	13.6	205
Christiansen, David	M	1	12.0	191
Christiansen, D.J.	M	22	14.0	168
	F	34	14.5	172
Eringfeld, B.	M	54	14.9	162
	F	135	16.4	173
Erskine Colony	M	3	13.3	164
	F	17	14.1	174
Five Lakes Farms	M	247	13.6	161
	F	278	14.2	166
Fowler, A.	M	38	15.5	165
	F	81	16.0	167
Fulks, N.	M	109	13.5	145
	F	100	14.8	148

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YORKSHIRE - continued

BREEDER	SEX	# TESTED	AVERAGE BACKFAT	AGE TO 90 KG.
Fulks, S.	M	44	13.1	145
	F	51	15.1	148
Gray, L.	M	72	14.0	146
	F	131	14.9	148
Groot, C.	M	12	13.9	170
	F	11	15.9	172
Gwynne Vista	M	49	14.7	172
	F	112	14.7	178
Holden Colony	M	50	14.3	170
Hutchinson, J.	M	108	14.7	161
	F	172	15.2	169
Huvenaars, A.	M	22	14.7	173
	F	91	15.2	181
Kaveander Farms	M	216	15.5	182
	F	359	15.7	186
Kingsland, Mrs. J.M.	M	68	13.5	141
	F	165	14.6	148
Knobben, Gary	M	39	12.2	153
	F	77	13.4	163
Knobben, John	M	131	12.6	151
	F	218	13.3	163
Lane, Ron	M	2	14.7	173
	F	8	15.8	185
MacMillan, R.	M	9	13.0	164
	F	51	13.3	179
Maschmeyer, D.	M	121	14.1	152
	F	119	15.1	156
Maschmeyer, G.	M	42	14.3	154
	F	55	15.4	160
Matejka, G.	M	79	14.3	141
	F	185	16.3	171
McCarthy, John	M	22	14.9	149
	F	44	15.7	160

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YORKSHIRE - continued

BREEDER	SEX	# TESTED	AVERAGE BACKFAT	AGE TO 90 KG.
McCarthy, Mrs. K	M	4	14.8	167
	F	10	15.8	158
Milne, Bruce	M	14	14.5	157
	F	6	16.6	158
Olds College	F	25	13.8	183
Ovation Enterprises	M	1	15.5	160
	F	2	16.7	165
Preugschas, W&M	M	34	11.9	180
	F	33	14.0	182
Reiter Farms	M	21	13.4	168
	F	25	14.4	167
Rice, H.	M	12	13.9	171
	F	23	16.1	179
Rice, R.	M	37	12.5	169
	F	75	15.4	171
Shtybel, M.	M	12	13.7	158
	F	9	15.9	165
Slipchuk, Peter	M	2	12.3	159
	F	9	13.1	166
Springside Colony	F	1	17.7	171
Toft, G.	M	82	14.4	164
	F	191	15.9	172
U & U Pork Farms	M	30	14.1	168
	F	37	14.6	172
Van De Vliert, H.	M	6	16.8	164
	F	9	18.7	164
Vandenberg, J.	M	64	13.2	165
	F	55	14.2	163
Weber Farms	M	33	12.7	168
	F	170	14.6	176
West, N. & T.J.	M	9	13.1	171
	F	12	14.3	185
Wilhelm, L.	M	6	16.6	166
	F	10	18.0	169

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YORKSHIRE - continued

BREEDER	SEX	# TESTED	AVERAGE BACKFAT	AGE TO 90 KG.
Wolf, K.	M	34	13.6	165
	F	130	14.8	179
		LANDRACE		
Agra Farms	M	192	15.1	154
	F	243	15.8	157
R & A Barrett	M	25	15.8	153
	F	28	18.0	154
J. Braat	M	38	14.9	157
	F	39	16.0	158
Carrich Stock Farm	M	4	13.1	184
	F	31	15.0	225
Duff, B.	M	15	14.4	153
	F	33	15.3	153
Duff, D.	M	83	14.7	149
	F	164	15.2	156
Eringfeld, B.	M	3	13.6	178
	F	3	15.1	178
Fulks, N.	M	35	15.2	141
	F	24	16.9	140
Lakeland College	F	13	13.8	196
Leedale Colony	M	46	15.9	169
	F	57	17.1	177
Matejka, Tony	M	10	15.3	159
	F	14	16.6	163
Middleton, John Jr.	M	6	16.3	190
	F	36	17.4	200
Thompson, L.	M	3	16.2	166
	F	6	17.2	169
Toft, V.	M	7	14.2	154
	F	13	16.1	174
U & U Pork Farms	M	104	15.5	173
	F	133	17.0	175

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BREEDER	SEX	# TESTED	AVERAGE BACKFAT	AGE TO 90 KG.
		LACOMBE		
A. Cameron	M	3	15.7	196
	F	2	16.2	199
Five Lakes Farms	M	147	14.0	159
	F	188	15.0	172
Gwynne Vista Farms	M	70	14.5	144
	F	151	15.6	176
Ovation Enterprises	M	26	15.8	173
	F	27	17.1	172
Preugschas, W & M	M	189	13.6	165
	F	260	15.0	171
		HAMPSHIRE		
J. Braat	M	58	13.6	168
	F	43	14.7	165
Brownlee, J.	M	35	12.6	180
	F	32	13.8	180
D.J. Christiansen	M	5	13.1	167
	F	10	13.3	167
Fulks, N.	M	3	10.3	148
	F	1	11.8	147
Preugschas, W & M	M	51	11.5	191
	F	70	12.3	190
Rice, H.	M	3	10.3	187
	F	1	16.8	168
Rice, R.	M	5	11.7	176
	F	10	13.0	186
U & U Pork Farms	M	2	12.3	179
	F	7	14.2	179
Zarusky, M.	M	36	11.1	185
	F	20	11.5	185
		DUROC		
J. Braat	M	37	13.1	165
	F	19	14.6	166
D.J. Christiansen	M	27	12.7	178
	F	75	12.5	181
Maschmeyer, G.	M	8	14.3	153
	F	19	16.0	157

BREEDER	SEX	# TESTED	AVERAGE BACKFAT	AGE TO 90 KG.
Neufeld Farms	M	22	14.7	165
	F	14	16.1	161
Ranchview Farms "A"	F	3	16.1	174
Rice, H.	M	19	12.6	174
	F	16	13.7	178
Rice, R.	M	30	14.2	162
	F	22	15.1	170
U & U Pork Farms	M	2	13.1	172
	F	2	12.7	181
Vandenberg, J.	M	75	13.4	169
	F	72	14.2	174
		CROSSBRED		
Agra Farms	F	59	14.7	158
Anderson Farms	F	40	15.4	206
Martin Baert	F	51	16.1	165
Barr Farms	F	94	14.9	226
A. Biel	M	12	13.5	170
	F	254	16.1	176
J. Braat	M	14	13.7	162
A. Cameron	F	2	11.9	195
Carrich Stock Farms	M	51	14,8	155
	F	56	15.5	195
D. J. Christiansen	M	17	13.4	177
	F	30	14.7	176
Coutts, A.	M	5	13.5	163
	F	7	13.4	156
Den Oudsten, C.	M	1	12.6	212
	F	81	14.2	182
E. C. Farms	F	41	16.7	192

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BREEDER	SEX	# TESTED	AVERAGE BACKFAT	AGE TO 90 KG.
Erskine Colony	F	388	15.3	168
Fairview College	F	14	13.9	191
Fulks, N.	M	2	14.5	131
	F	2	14.8	133
Grandview Farms	M	1	13.5	177
	F	35	15.4	211
Groot, C.	M	37	15.0	164
	F	92	12.7	172
Gwynne Vista Farms	M	1	16.8	159
	F	126	15.7	169
Hall, D.	F	29	17.1	175
Huvenaars, A.	M	3	14.5	162
	F	91	15.6	168
Jacobsson, G.	F	71	15.0	178
Knobben, John	M	6	11.4	151
	F	5	12.7	153
Koot, H.	F	142	15.3	169
Lane, Ron	F	30	15.-	172
Leedale Colony	F	41	15.4	175
Lenz Farms	F	144	14.6	167
Lepp Pork Producers	F	278	15.2	177
Lightheart, B.	F	62	15.4	164
Little, R.R. & D.J.	F	111	13.8	242
Low, Don	F	17	15.5	163
McKinnon, P.	F	30	15.6	172
Milne, Bruce	F	9	14.3	161
Neufeld Farms	M	40	12.8	159
	F	66	13.6	161
Olds College	F	119	14.1	166

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BREEDER	SEX	# TESTED	AVERAGE BACKFAT	AGE TO 90 KG.
Pain, S.	F	437	16.2	168
Pool, Frank	F	53	17.5	176
Preugschas, M.	M	31	12.8	161
	F	65	14.0	153
Preugschas, W & M	M	26	14.2	158
	F	130	15.6	165
Ranchview Farms	M	145	14.1	174
Ranchview Farms "A"	M	398	13.4	156
	F	598	15.0	169
Ranchview Farms "C"	F	6	17.7	147
Rice, H.	M	8	11.8	168
	F	6	16.2	165
Rice, R.	M	2	13.2	170
Rozendaal, P.	F	7	17.9	181
Schultz, L.	F	35	14.7	194
Scott, Ross	F	52	16.2	201
Slingerland, W.	M	3	12.7	176
	F	72	13.1	180
Springside Colony	F	125	15.1	176
U & U Pork Farms	M	124	13.6	170
	F	156	14.3	174
Vanden Dool, J.	M	12	15.2	172
	F	631	16.3	182
Wildeboer, W.	M	16	11.6	171

TABLE X

BOAR SALE ACTIVITY IN ALBERTA

1975 - 1982

YEAR	LOCATION	NO. SOLD	TOTAL SALES ($)	AVERAGE PRICE ($)
1982	Leduc	143	63,765	445.91
	Lacombe	136	69,235	509.08
		279	133,000	476.70
1981	Leduc	77	35,435	460.19
	Lacombe	154	81,930	532.01
		231	117,365	508.07
1980	Leduc	100	38,190	382.00
	Lacombe	135	66,590	493.00
		235	104,780	437.50
1979	Leduc	113	45,605	403.58
	Lacombe	175	85,500	488.57
		288	131,105	455.23
1978	Leduc	126	57,545	456.71
	Lacombe	116	52,535	452.89
		242	110,080	454.88
1977	Edmonton	110	46,155	419.59
	Lacombe	112	46,750	417.41
		222	92,905	418.49
1976	Edmonton	83	38,590	464.90
	Lacombe	105	42,290	402.76
		188	80,880	430.21
1975	Edmonton	102	36,285	355.74
	Lacombe	72	23,755	329.93
	174	174	60,040	345.06